

Name_____

Date_____ Block_____

HW - Practice Solving Exponential Equations

Solve the following equations. Show your work!

1. $3^{x+4} = 3^{4x-5}$

2. $6^{x+3} = \frac{1}{36}$

3. $9^{3x-1} = 81$

4. $10^{3x} = 100^{x+4}$

5. $4^{x+1} = 8^{2x}$

Name_____

Date_____ Block_____

HW - Practice Solving Exponential Equations

Solve the following equations. Show your work!

1. $3^{x+4} = 3^{4x-5}$

2. $6^{x+3} = \frac{1}{36}$

3. $9^{3x-1} = 81$

4. $10^{3x} = 100^{x+4}$

5. $4^{x+1} = 8^{2x}$